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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,791	09/12/2003	Masatoshi Kimura	031147	9302
23850	7590	02/14/2006	EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			CRIBBS, MALCOLM D	
1725 K STREET, NW			ART UNIT	
SUITE 1000			PAPER NUMBER	
WASHINGTON, DC 20006			2115	

DATE MAILED: 02/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/660,791	Applicant(s) KIMURA ET AL.	
	Examiner Malcolm D. Cribbs	Art Unit 2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-57 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 10, 11, 19, 20, 28, 29, 32-35, 43, 44, 52, 53, 56 and 57 is/are rejected.
- 7) ☒ Claim(s) 3-9, 12-18, 21-27, 30, 31, 36-42, 45-51, 54 and 55 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>08/13/04</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 1-57 are presented for examination.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 2, 10, 11, 19, 20, 28, 29, 32-35, 43, 44, 52, 53, 56, 57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Huang et al [US Patent No. 6,122,713] in view of Muehsam [US Patent No. 6,608,400], and further in view of Sekiguchi [Publication No. US 2002/0156899].

3. As per claims 1, 2, 10, 11, and 34 Huang et al teach the invention comprising:
a gateway card [Fig. 2, 122] that is connected to an information processor [Fig. 2, 160] and that receives and transmits data between different networks [Fig 1, 106].

4. Huang et al do not teach a method of switching the connection of the memory based on the processor being placed in a power saving mode. Specifically, Huang et al teach the ability of switching the connection of the shared memory between the

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processor and the interface card. However, Huang et al fails to detail the reason and method for switching the shared memory drive connection between the processor and the interface card. A routineer in the art would have been motivated to look for a teaching for a possible motive for switching the connection of the shared hard disk drive.

5. Muehsam teaches another method of switching the connection of a shared memory between two devices. Muehsam teaches when the power of the first device fails, or power ceases as a result of power saving mode, the connection of the shared HDD is switched to the other device sharing the HDD [Col 3 lines 6-24; emphasis added by examiner].

6. It would have been obvious to one of the ordinary skill in the art to combine the teachings of Huang et al and Muehsam because they both teach a method of switching the connection of a HDD between two devices. Muehsam covers the deficiency of Huang et al by teaching the detail of a method and reason for switching the connection of the common hard disk drive.

7. Huang et al and Muehsam do not teach the method that is discussed hereinabove pertaining to a gateway device. Although Huang et al teach the processor 160 connected to a network 106 using an interface card 122, Huang et al fail to detail the processor and interface card being used for a gateway device. A routineer in the art

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would have been motivated to look for a teaching for the possible use of an interface card within a gateway device.

8. Sekiguchi teaches another method of a processor being connected to a network. Sekiguchi teaches a PHS interface card, connected to a home gateway [Fig. 1, 102], to be used to transmit and receive data with network 114 [Page 1-2; [0022]-[0023]]. Therefore, it would have been obvious to one of the ordinary skill in the art to combine the teachings of Huang et al and Muehsam with Sekiguchi because they teach connecting a processor to a network using an interface card. Sekiguchi covers the deficiency of Huang et al and Muehsam by teaching the detail of this design being used pertaining to a gateway unit.

9. As per claims 19, 20, 28, 29, 43, 44, 52, and 53, it is directed to the method of steps to implement the device as set forth in claims 1, 2, 10, 11, and 34. Therefore, it is rejected for the same basis as set forth hereinabove.

10. As per claims 32, 33, 56, and 57, it is directed to the computer program to implement the device as set forth in claims 1, 2, 10, 11, and 34. Therefore, it is rejected for the same basis as set forth hereinabove.

11. Claims 3-9, 12-18, 21-27, 30-31, 36-42, 45-51, and 54-55 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

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independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

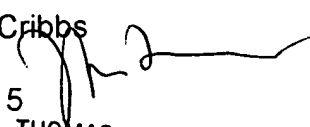
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Malcolm D. Cribbs whose telephone number is 571-272-5689. The examiner can normally be reached on M-F 8AM-430PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February, 8 2006

Malcolm D Cribbs
Examiner
Art Unit 2115


THOMAS LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100